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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
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| 09/437,378 | 11/10/1999 | ERIC SVEM HELLMAN | OIQ-001 | 7897 |

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LAHIVE & COCKFIELD
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BOSTON, MA 02109

EXAMINER

WON, YOUNG N

ART UNIT PAPER NUMBER

2155

DATE MAILED: 06/13/2002

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/437,378

Applicant(s)

HELLMAN ET AL.

Examiner

Young N Won

Art Unit

2155

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-34 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-34 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 10 November 1999 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on ____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☒ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) ____.
- 4) ☐ Interview Summary (PTO-413) Paper No(s). ____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

DETAILED ACTION

1. Claims 1-34 have been examined.

Drawings

2. The drawings are objected to as failing to comply with 37 CFR 1.84(p)(5) because they include the following reference sign(s) not mentioned in the description: Fig.2 no.46 and Fig.5 no.18. A proposed drawing correction, corrected drawings, or amendment to the specification to add the reference sign(s) in the description, are required in reply to the Office action to avoid abandonment of the application. The objection to the drawings will not be held in abeyance.

Claim Rejections - 35 USC § 112

3. Claim 4 recites the limitation "redirection server" in line 18 on page 12. There is insufficient antecedent basis for this limitation in the claim. There was only a prior mention of "redirection facility" in claim one, no prior mention of a "redirection server".
4. Claim 18 recites the limitation "content" in line 1 on page 18. There is insufficient antecedent basis for this limitation in the claim. There is no prior mention of content in claim 9 to which claim 18 depends on.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) do not apply to the examination of this application as the application being examined was not (1) filed on or after November 29, 2000, or (2) voluntarily published under 35 U.S.C. 122(b). Therefore, this application is examined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

5. Claims 25 and 26 are rejected under 35 U.S.C. 102(e) as being anticipated by De La Huerga et al. (US Pat.No.5895461).

As per claim 25, De La Huerga teaches of a computer-readable medium for use in a computer system and holding computer-executable instructions for performing a method (see col.2 lines 17, 27, 60, 63, & 67, col.3 line 31, and col.4 lines 64-65), comprising the steps of: receiving a request for a resource (see col.4 lines 2-3), said request originating from a user selecting a hyperlink (see col.4 lines 26-27) and said request being redirected to the computer system by an intermediary (see col.3 lines 45 and col.4 line 1: word processor); translating the request into a format that is acceptable

to the computer system (see col.4 lines 18-19); and servicing the request as translated by returning a resource to the user (see col.4 lines 30-33).

As per claim 26, De La Huerga further teaches wherein the step of servicing the request comprises returning a web page to the user (see col.4 lines 56-62).

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

6. Claims 1-5, 8-16, and 18-24 are rejected under 35 U.S.C. 103(a) as being unpatentable over De La Huerga et al. (US Pat.No.5895461) further in view of Minor et al. (US Pat. No.5740252).

As per claims 1 and 19, De La Huerga teaches of an environment having a redirection facility (see col.3 line 45 and col.4 line 1: word processor), a method, and a medium that is readable by an electronic device (see col.2 lines 17, 27, 60, 63, & 67, col.3 line 31, and col.4 lines 64-65) for use in an environment having a redirection server (see col.3 lines 45 & 55-56, and col.4 line 1) and holding instructions for performing a method, comprising the steps of: receiving a user request to access information regarding a semantic value associated with a hyperlink at the redirection

Art Unit: 2155

facility (see col.4 lines 7-15 and 26-27); and identifying a user preference regarding which service provider to use to service the request (see col.4 lines 2-7). De La Huerga does not teach based on the user preference, directing the request from the redirection facility to a service provider for servicing the request. Minor teaches directing the request from the redirection facility to a service provider for servicing the request (see col.2 lines 44-46). It would have been obvious to a person of ordinary skill in the art at the time the invention was made, to employ the teachings of Minor within the system of De La Huerga, by directing a request to a service provider within a redirection facility, because this allows the user or client to retrieve requested information from a non-public resource database.

As per claims 9 and 22, De La Huerga teaches of an electronic device (see col.3 line 45 and col.4 line 1: word processor), a method, and a medium holding instructions that are executable by an electronic device for performing a method (see col.2 lines 17, 27, 60, 63, & 67, col.3 line 31, and col.4 lines 64-65), comprising the steps of: receiving user information regarding a user and link information regarding a hyperlink to be resolved to a resource in response to the user selecting the hyperlink (see col.4 lines 12-15); and identifying a resolution service to employ to resolve the hyperlink based on the user information (see col.4 lines 19-25). De La Huerga does not teach of forwarding at least some of the link information to the identified resolution service for resolution of the hyperlink. Minor teaches of forwarding at least some of the link information to the identified resolution service for resolution of the hyperlink (see col.1 lines 52-58). It would have been obvious to a person of ordinary skill in the art at the time the invention

was made, to employ the teachings of Minor within the system of De La Huerga, by forwarding at least some link information by the electronic device to the resolution service, because this would allow for the resolution service to respond with relevant information or service pertaining to the user request (see Minor: col.1 lines 57-58).

As per claims 2 and 20, De La Huerga further teaches of comprising the steps of receiving a communication holding information about the user and using this information to identify the user preference (see col.4 lines 2-7).

As per claims 3, 10, 21, and 23, De La Huerga does not teach wherein the communication comprises a cookie. Minor teaches wherein the communication comprises a cookie (see col.2 lines 6-7: unique identifier). It would have been obvious to a person of ordinary skill in the art at the time the invention was made, to employ the teachings of Minor within the system of De La Huerga, by implementing communication comprising of a cookie within a redirection facility, because cookies are well known in the art and used from server to browser for identifying the user and possibly for preparing customized web pages for the user.

As per claim 4, De La Huerga does not teaches wherein the redirection server has access to a database holding data regarding preferences of users and wherein the step of identifying the user preference further comprises accessing the database to access the data. Minor teaches wherein the redirection server has access to a database holding data regarding preferences of users and wherein the step of identifying the user preference further comprises accessing the database to access the data (see Fig.1 #20 & #24A, and col.2 lines 11-12). It would have been obvious to a

Art Unit: 2155

person of ordinary skill in the art, to employ the teachings of Minor within the system of De La Huerga, by implementing a database of user preference accessible by the redirection server within a redirection facility, because databases are used in the art for storage and retrieval of large amounts of records, files, documents, or whatever one wishes to categorically and electronically store, thus it would be beneficial for a redirection facility for the purpose of redirecting based on user preference, to store the plurality of user preferences in an easily accessible manner without limiting the performance of the system.

As per claims 5 and 16, De La Huerga does not teach wherein the method further comprises the steps of: wherein the service provider fails to fully service the request, identifying a second service provider to use to service the request and directing the request from the redirection facility to the second service provider to service the request. Minor teaches wherein the method further comprises the steps of: wherein the service provider fails to fully service the request, identifying a second service provider to use to service the request and directing the request from the redirection facility to the second service provider to service the request (see Fig. 1 #24B to #24N). It would have been obvious to a person of ordinary skill in the art, to employ the teachings of Minor within the system of De La Huerga, by implementing a second service provider in within the redirection facility, because not only is it beneficial for when the first fails to have an alternate, but also gives the user more options for the retrieval of request. The service provider the user preferred yesterday might not be the preference today.

As per claim 8, De La Huerga further teaches wherein the device is part of a network (see col.1 lines 23-39).

As per claims 11 and 24, De La Huerga further teaches wherein the step of identifying the resolution service comprises accessing data regarding services available to the user and identifying the resolution service based on services available to the user (see col.4 lines 2-6).

As per claim 12, De La Huerga further teaches wherein the electronic device is a computer system (see col.5 lines 60-61).

As per claim 13, De La Huerga further teaches wherein the step of identifying a resolution service comprises soliciting input from the user (see col.4 lines 7-12).

As per claim 14, De La Huerga does not teach wherein the soliciting includes presenting a form for the user to complete. Minor teaches wherein the soliciting includes presenting a form for the user to complete (see col.2 lines 3-5). It would have been obvious to a person of ordinary skill in the art, to employ the teachings of Minor within the system of De La Huerga, by implementing a form to the user for soliciting within the electronic device system, because on-line forms are well known in the art and widely used in Internet sites for collecting demographic information in trade for use of their service. Therefore, since the system uses user information to provide a resolution service, it would be most beneficial to solicit by the means of such a form.

As per claim 15, De La Huerga does not teach wherein the soliciting includes soliciting for identification of subscription services to which the user subscribes. Minor teaches wherein the soliciting includes soliciting for identification of subscription

Art Unit: 2155

services to which the user subscribes (see col.1 lines 63-65). It would have been obvious to a person of ordinary skill in the art, to employ the teachings of Minor within the system of De La Huerga, by implementing solicitation to which the user subscribes within the electronic device system, because this would allow the system to be not responsible for solicitations and enable the individual resolution services to implement solicitations.

As per claim 18, De La Huerga further teaches wherein content is divisible into genres (see col.4 line 8: specialized information fields) and wherein the hyperlink contains information regarding to which of the genres the hyperlink is to be resolved (see col.4 lines 26-30).

7. Claims 6 and 17 are rejected under 35 U.S.C. 103(a) as being unpatentable over De La Huerga et al. (US Pat.No.5895461) and Minor et al. (US Pat. No.5740252) as applied to claims 1, 5, 9, and 16 above, and further in view of Fluegge (US Pat. No.5745372). De La Huerga and Minor do not teach wherein the method further comprises the step of identifying the service provider that failed to fully service the request at the redirection facility before the direction of the request to the second service provider or before the forwarding step. Fluegge teaches of identifying the service provider that failed to fully service the request (see col.6 lines 45-47). It would have been obvious to a person of ordinary skill in the art, to employ the teachings of Fluegge within the system of De La Huerga and Minor, by identifying a failed service provider within the redirecting or electronic device system, because this would provide

Art Unit: 2155

the user with a reason and notify that the request will be redirected to a secondary resolution service or allow the user to select a secondary resolution service.

8. Claim 7 is rejected under 35 U.S.C. 103(a) as being unpatentable over De La Huerga et al. (US Pat.No.5895461) and Minor et al. (US Pat. No.5740252) as applied to claim 1 above, and further in view of Bowen et al. (US Pat. No.6094649). De La Huerga and Minor do not teach wherein the redirection facility is run on a dedicated device that supports the TCP/IP protocol suite. Bowen teaches of a dedicated device that supports the TCP/IP protocol suite (see col.7 lines 20-23).). It would have been obvious to a person of ordinary skill in the art, to employ the teachings of Bowen within the system of De La Huerga and Minor, by implementing a TCP/IP protocol within the redirection facility because TCP/IP is a well known protocol in the art of communicating through the Internet. Thus, if the redirection facility consisted of Internet connection, such protocol would be ideal.

9. Claims 27-34 are rejected under 35 U.S.C. 103(a) as being unpatentable over De La Huerga et al. (US Pat.No.5895461) further in view of Gerace (US Pat.No.5991735).

As per claim 27, De La Huerga teaches of an environment having a redirection facility (see col.3 line 45 and col.4 line 1: word processor) for redirecting a selected request from a requestor (see col.3 lines 46-50) for a given resource to a service provider, comprising: receiving the selected request at the redirection facility (see col.3 lines 66-67); and examining a criterion at the redirection facility (see col.4 lines 7-15).

Art Unit: 2155

De La Huerga does not teach that this is a method of advertising or that based on the examined criterion, determining whether to present an advertisement to the requestor. Gerace teaches a method of advertising and based on the examined criterion, determining whether to present an advertisement to the requestor (see Abstract). It would have been obvious to a person of ordinary skill in the art at the time the invention was made, to employ the teachings of Gerace within the system of De La Huerga, by implementing advertising methods within a redirection facility, because it is well known and currently employed in the art of advertising based on user examined criterion. Thus when sending hyperlinks based on user information for redirection, advertisement links may also be sent or attached.

As per claim 28, De La Huerga further teaches wherein the requestor is a user of a computer system (see col.3 lines 46-50).

As per claim 29, De La Huerga does not teach wherein the method further comprises the step of presenting an advertisement to the requestor. Gerace teaches of presenting an advertisement to the requestor (see col.2 lines 35-37). It would have been obvious to a person of ordinary skill in the art at the time the invention was made, to employ the teachings of Gerace within the system of De La Huerga, by presenting an advertisement to the requestor within a redirection facility, because advertisements are a source of income and primarily for Internet businesses, advertisements help reduce or even eliminate the costs, incurred from services rendered, to the user.

As per claim 30, De La Huerga does not teach wherein the step of presenting an advertisement comprises sending video content over a network from the redirection

Art Unit: 2155

facility. Gerace teaches wherein the step of presenting an advertisement comprises sending video content over a network from the redirection facility (col.13 lines 23-25). It would have been obvious to a person of ordinary skill in the art at the time the invention was made, to employ the teachings of Gerace within the system of De La Huerga, by implementing video advertisement over a network from the redirection facility, because this would allow for advertisements in the form of video data to be sent to user.

Aesthetics is not an invention.

As per claim 31, De La Huerga does not teach wherein the step of sending video content comprises sending a web page with an advertisement from the redirection facility to the requestor. Gerace teaches wherein the step of sending video content comprises sending a web page with an advertisement from the redirection facility to the requestor (see col.11 lines 5-8 and col.17 lines 5-7). It would have been obvious to a person of ordinary skill in the art at the time the invention was made, to employ the teachings of Gerace within the system of De La Huerga, by sending a web page along with the video content within a redirection facility, because this would explain to the user what the video content is as well as information and guidelines as to disabling the video content or additional options the user can take. Since original transfer of data occurred from a web browser, keeping communication in the form of a web page is obvious.

As per claim 32, De La Huerga does not teach wherein the criterion is a random criterion so that the determining is based on a random event. Gerace teaches wherein the criterion is a random criterion so that the determining is based on a random event (col.1 lines 13-29 and col.3 lines 1-10). It would have been obvious to a person of

Art Unit: 2155

ordinary skill in the art at the time the invention was made, to employ the teachings of Gerace within the system of De La Huerga, by implementing random criterion within a redirection facility, because this allows for determining to be based on timed increments rather than comparison of data, thus allowing the criterion to be implemented with less restriction.

As per claim 33, De La Huerga does not teach wherein the criterion is when the requestor last received a previous advertisement from the redirection facility. Gerace teaches wherein the criterion is when the requestor last received a previous advertisement from the redirection facility (col.2 lines 43-45). It would have been obvious to a person of ordinary skill in the art at the time the invention was made, to employ the teachings of Gerace within the system of De La Huerga, by recording the last received advertisement within the redirection facility, because this would allow for the data to be used for statistical purposes for better and more effective targeting methods (see Gerace: col.2 lines 50-60).

As per claim 34, De La Huerga does not teach wherein the criterion is how many requests for resources from the requestor have been received at the redirection facility. Gerace teaches wherein the criterion is how many requests for resources from the requestor have been received at the redirection facility (see col.2 lines 18-20). It would have been obvious to a person of ordinary skill in the art at the time the invention was made, to employ the teachings of Gerace within the system of De La Huerga, by recording the amount of received requests within the redirection facility because this

Art Unit: 2155

would allow the facility to keep track of psychographic profile of all users for future targeting (see Gerace: col.2 lines 20-22 & 38-42).

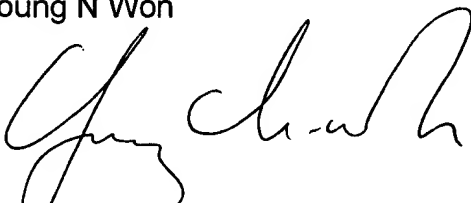
Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Young N Won whose telephone number is 703-605-4241. The examiner can normally be reached on M-F: 8AM-4PM.


If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ayaz R Sheikh can be reached on 703-305-9648. The fax phone numbers for the organization where this application or proceeding is assigned are 703-305-3718 for regular communications and 703-305-5352 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-305-3900.

Young N Won



June 7, 2002



AYAZ SHEIKH
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